

CEA-tr-R-1412 Unc1.

ETUDE DES DENSITES D'ATOMES EXCITES ET DES
TEMPERATURES DES GAZ INERTES DANS UNE COLONNE
POSITIVE DE DECHARGE. (Study of Densities of
Excited Atoms and Temperatures of Inert Gases
in Positive Discharge Columns). K. S.
Mustafin. Translated into French from
Vestnik Leningrad. Univ. 15, No. 22, Ser.
Fiz. i Khim. No. 4, 130-7(1960). 23p.

Physics; Translations MC-34
C-34 NP NSA Dep.(mc); \$2.60(fs), \$0.89(mf)
JCL or QTS
N-3

Zhilich, A. G. and Makarov, V. P.
ON THE BAND STRUCTURE OF CUPROUS OXIDE.
15 Sep 61, 21p. 26 refs.
Order from OTS or SLA \$1.60

61-20722

Trans. of Leningrad U. (Vestnik USSR) 1961 [v. 16]
no. 10, Seriya Fizika i Khimika no. 2, p. 13-30.

DESCRIPTORS: *Copper compounds, *Oxides,
Crystals, Lattices, Absorption, Crystallization,
Spectrographic analysis.

The method of Koringa-Kohn-Rostoker was used to
compute the band energy structure of cuprous oxide
which is crystallized in a complex cubic lattice. Nu-
merical values were found of the energies of two
bands at the $\bar{K} = 0$ point of the Brillouin band. The
magnitude of the difference $\Delta E(O) = E_{\Gamma_1}(O) - E_{\Gamma_2}(O)$

0.76 Ry=2.38 ev is in good agreement with the
(Physics--Solid State, TT, v. 7, no. 9) (over)

61-20722

I. Zhilich, A. G.
II. Makarov, V. P.

Office of Technical Services

<p>Shchukarev, S. A. and Suborov, A. V. A THERMODYNAMIC INVESTIGATION OF CERTAIN CHLORINE DERIVATIVES OF MOLYBDENUM AND TUNGSTEN. [1962] 15p. 26 refs. Order from OTS or SLA \$1.60</p> <p>Trans. of Leningrad U. Vestnik (USSR) 1961 [v. 16] no. 4 [Seriya Fizika i Khimii no. 1] p. 87-99.</p> <p>DESCRIPTIONS: *Molybdenum compounds, *Tungsten compounds, *Chlorides, *Oxychlorides, Evaporation, Dissociation, Disproportionation, Transition temperature, Measurement, Chemical reactions, *Thermodynamics.</p> <p>The processes of evaporation, dissociation and disproportionation in the system MoCl_5 - MoO_3 and WCl_6 - WO_3 by means of membrane and optico- tensiometric methods were studied. Some thermodynamic functions of these processes were obtained. (Author) (Chemistry--Physical, TI, v. 10, no. 3)</p>	<p>63-13032</p> <p>I. Shchukarev, S. A. II. Suborov, A. V.</p> <p>Office of Technical Services</p>
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S. Z. Frisch, O. P. Bochkova.

RUSSIAN, per, Vest Leningrad Univ Ser Fiz i Khim,
Vol III, 1961, pp 40-58.

*PL-480
OTS 63-11135
PST 894

Sci

Jan 63

Certain Calculations of the Temperature
Distribution in the Upper Atmosphere, by
O. P. Filippovich, 14 pp.

RUSSIAN, per, West Leningrad University, Ser Fiz
i Khim, Vol XVI, No 3, 1961, pp 66-76.
9673555

FID-TT-61-369

Sci - Geophys

186, 964.

2 Mar 62

Myuller, R. L.
VALENCY NATURE OF CONDUCTIVITY OF THE
GLASS-SEMICONDUCTORS. [1963] [14p] 36refs
C. E. Trans. 2803.
Order from OTS, SLA, or ETC \$1.60 TT-64-1322-2

Trans. of Leningrad U. [Vestnik] (USSR) 1961 [v. 16]
no. 22, Seriya Fizika i Khimii no. 4, p. 86-96.
Another trans. is available from OTS, SLA, or ETC
\$2.60 as TT-63-18919 [1963] 26p.

NLL/902.5.19 1963 2803

(Physics--Solid State, TT, v. 11, no. 12)

TT-64-13232

I. Myuller, R. L.
II. CE-Trans-2803
III. Central Electricity
Generating Board,
London (England)

Office of Technical Services

Shchukarev, S. A., Kolbin, N. I., and Ryabov, A. N.
ANHYDROUS RUTHENIUM TRIBROMIDE. [1962] [7].
8 refs.

Order from OTS or SLA \$1.10

63-13401

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16,
no. 4, Seriya Fizika i Khimiya no. 1, p. 100-104.

DESCRIPTORS: *Ruthenium compounds, *Bromides,
Anhydrides, Synthesis, Physical properties,
Dissociation.

Anhydrous ruthenium tribromide was prepared by
directly combined ruthenium and bromine in sealed
tubes at a bromine pressure of 15 to 20 atm and a tem-
perature of 450° to 500°C. The density and the lattice
plane spacing of RuBr₃ prepared in the dry way were
determined. A study was made of the thermal dis-
sociation of ruthenium tribromide, and the thermo-
(Chemistry--Inorganic, TT, v. 10, no. 4) (over)

63-13401

- I. Shchukarev, S. A.
- II. Kolbin, N. I.
- III. Ryabov, A. N.
- IV. Translations, New York

Office of Technical Services

Zhilich, A. G. and Makarov, V. P.
ON THE BAND STRUCTURE OF CUPROUS OXIDE.
15 Sep 61, 21p. 26 refs.
Order from OTS ~~SLA~~ \$1.60

61-20722

Trans. of Leningrad ~~USSR~~ Vestnik (USSR) 1961 [v. 16]
no. 10, Seriya Fizika i Khimii no. 2, p. 13-30.

DESCRIPTORS: *Copper compounds, *Oxides,
Crystals, Lattices, Absorption, Crystallization,
Spectrographic analysis.

The method of Koringa-Kohn-Rostoker was used to
compute the band energy structure of cuprous oxide
which is crystallized in a complex cubic lattice. Nu-
merical values were found of the energies of two
bands at the $\bar{K} = 0$ point of the Brillouin band. The
magnitude of the difference $\Delta E(O) = E_{\Gamma_1}(O) - E_{\Gamma_25}(O)$

0.76 Ry or 2.38 ev is in good agreement with the
(Physics--Solid State, TT, v. 7, no. 9) (over)

61-20722

I. Zhilich, A. G.
II. Makarov, V. P.

Office of Technical Services

Sochava, I. V.
SPECIFIC HEAT OF POLYMETHYL METHACRYLATE
AND POLYSTYRENE AT LOW TEMPERATURES.
[1962] [5]p. 6 refs.

Order from OTS or SLA \$1.10 63-13402

Trans. of Leningrad U. *Vestnik (USSR)* 1961, v. 16,
no. 10, Seriya: Fizika i Khimya, no. 2, p. 70-72.

DESCRIPTORS: *Specific heat, *Methyl radicals,
*Styrenes, Low temperature research, *Acrylic
resins, Styrene plastics.

The specific heat of polymethylmethacrylate and poly-
styrene was measured at temperatures between 16°
and 50°K. The temperature dependence of the heat
capacities of both substances was found to be linear at
temperatures above 40°K. The high values of the
specific heat of polymethylmethacrylate, compared to
that of polystyrene, at temperatures above 60°K are
(Materials--Plastics, TT, v. 10, no. 4) (over)

63-13402

I. Sochava, I. V.
II. Translations, New York

Office of Technical Services

Reabsorption Methods for Determination of Transition
Probabilities and Level Populations, by S. E. Frish,
O. P. Bochkova, 18 pp.
RUSSIAN, per, Vest Lening Univer Seriya Fiz i Khim,
No 16, 1961, pp 40-58.
OTS 63-11135
PL-480

Sci - Phys
Mar 64

253,045

<p>Bogdanova, N. I. and Ariya, S. M. ELECTROCONDUCTIVITY OF LOWER VANADIUM OXIDES. [1962] (6) p. 10 refs. Order from OTS or SLA \$1.10</p> <p>62-10649</p> <p>Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16 [no. 16] Seriya Fizika Khimii no. 3, p. 143-147.</p> <p>DESCRIPTORS: *Vanadium compounds, *Oxides, Chemical analysis, Electrical conductance, *Electrochemistry.</p> <p>(Chemistry--Physical, TT, v. 9, no. 1)</p>	<p>62-10649</p> <p>I. Bogdanova, N. I. II. Ariya, S. M.</p> <p>Office of Technical Services</p>
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<p>Myuller, R. L. THE VALENCE NATURE OF THE ELECTRICAL CONDUCTIVITY OF SEMICONDUCTING GLASSES. [1963] 26p. 37 refs. Order from OTS or SLA \$2.60</p> <p>Trans. of Leningrad LI. [Vestn.] (USSR) 1961, v. 16, no. 22, Seriya Fizika I Khimii no. 4, p. 86-96.</p> <p>DESCRIPTORS: *Glass, *Semiconductors, *Electrical conductivity, *Valence, Selenium, Crystal structure, Crystal lattices, Chemical bonds, Polymers.</p> <p>A model of the mechanism of the intrinsic conductivity of semiconductors with low current carrier mobility is proposed on the basis of a representation of the individual nature of localized electron-pair bonds between atoms. The theoretical expression for the (Physics--Solid State, TT, v. 10, no. 11) (over)</p>	<p>63-18919 I. Myuller, R. L. <i>NLL (LOAN) REC:</i> <i>9022.09 1963</i> <i>(203)</i></p> <p>Office of Technical Services</p>
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Investigation of Molybdenum Halides.
Determination of the Formation Enthalpy of
Tetrabromide, by S. A. Shchukarev, et al.
RUSSIAN, per, Vestnik Leningradskovo Universiteta Ser. Fiz. Khim., No 22, 1961,
pp 127-129.

BISI 4508

USSR:
Sci/NFM
Feb 66

294,657

Hydrogenation of Natural and Synthetic CIS -
1,4-Polyisoprene, by A. I. Yakubchik,
B. I. Tikhomirov, 8 pp.
RUSSIAN, per, Vestnik Leningrad Univ, Ser Fiz
Khim, No 4, 1961, pp 135-138.
AEC/UCRL-Tr-10320-69

Sci/Phy
Jun 69

382,696

Supplement and Corrections to the Article "Methods
of Determination of Transition Probabilities and
Level of Populations According to Reabsorption of
Radiation, by S. E. Frish, O. P. Bochkova, 2 pp.

RUSSIAN, per, Vest Lening Univer, No 4, 1962,
pp 73-74.

*OTS 63-11135
PL-480

Sci
Mar 64

Electrical Conductivity of the Arsenic
Selenium Thallium System in the Glassy
State, by R. L. Myuller, and T. P.
Markova.
RUSSIAN, per, Vestnik Leningr. Universita
Ser. Fiz. Khim., 1962, No 4, pp 75-89.
HLL 9022.09 1964 (3382) (On Loan)

286,473

Aug 65

<p>Repinskii, S. M. DETERMINATION OF SURFACE CONDUCTIVITY OF GERMANIUM IN CONTACT WITH A SOLUTION OF LOW CONDUCTIVITY. [1962] 5p. 1 ref. Order from OTS or SLA \$1.10 63-10250</p> <p>Trans. of Leningrad U. <u>Vestnik</u> (USSR) 1962 [v. 17] no. 10 [Seriya Fizika i Khimii no. 1] p. 103-106.</p> <p>DESCRIPTORS: Surface properties, *Germanium, *Electrical conductance, Solutions, Semiconductors, Measurement, Resistance (Electrical).</p> <p>(Physics--Solid State, TT, v. 10, no. 1)</p>	<p>63-10250 I. Repinskii, S. M.</p> <p>Office of Technical Services</p>
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A Theoretical Investigation by Means of
Free Electrons of the Reactivity in Sub-
stitution Reactions of the Molecules with
Conjugate Bonds, by N. H. Adamov and
I. F. Tupitsyn,
RUSSIAN, per, Vestnik Leningradskogo Univ.
Seriya Fiziki i Khimii, Vol XVI, No 3, 1962,
pp 47-65.
NLL RTS 3025
(On Loan or Purchase)

Sci-Chem
Apr 67

322,931

A Thermodynamic Investigation of
Molybdenum Dibromide, by S. A. Shchukarev.
RUSSIAN, per, Vestnik Leningradskogo
Universiteta Ser. Fiz. Khim., No 4, 1962,
pp 148-153.
BISI 4509

USSR
Sci/MQM
Jan 66

294,630

Determination of Approximate Transition Probabilities
and Absorption Coefficients for the Levels of the
Configurations $1s^22s^2nl$ and $1s^22s2p(^1, ^3)pnl$ in N III,

by A. A. Nikitin, 23 pp.

RUSSIAN, per, Vest ~~M~~Lening Univ, No 13, 1962,
pp 113-137.

OTS 63-11135

PL-480

Sci - Phys
Mar 64

253,048

Shchukarev, S. A., Andreev, S. N., and Balicheva,
T. G.

INFRARED SPECTRA OF PERCHLORIC ACID AND
ITS SOLUTIONS IN THE REGION 3700-2300 CM.⁻¹
[1962] 12p. 25 refs.

Order from OTS or SLA \$1.60

62-20164

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17]
no. 4 [Seriya Fizika i Khimii no. 1] p. 128-134.

DESCRIPTORS: *Perchloric acid, Gases, Water, Solutions,
Organic solvents, *Spectra (Infrared), Absorption spectra.

A study is made of vibrational frequencies of aqueous
HClO₄ in a broad range of its concentrations, and of
the vibrational spectra of this acid in gas phase and in
organic, non polar solutions.

(Chemistry--Physical, TT, v. 9, no. 11)

62-20164

I. Shchukarev, S. A.
II. Andreev, S. N.
III. Balicheva, T. G.

Office of Technical Services

Measurement of the Surface Conductivity of Germanium
in Contact With a Solution of Low Conductivity,
by S. M. Repinsky.

RUSSIAN, per, Vest Leningrad Univ, No 10,
1962, pp 103-105.

6

*SLA

Sci - Chem
Oct 62

also
RAE Lib
TR No 24

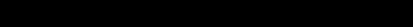
Series, 279 pp. POST EDITED

RUSSIAN, per, Vest Leningrad Univ, ~~Medic~~ Seriya
Fiziki i Khimii, Vol I, 1963, pp 1-186. 9695392

FTD-MP-64-64
GOV'T USE ONLY

Sci
Dec 64

269,698

<p>Storonkin, A. V., Shultz, M. M., and Korchagin, V. V. A STUDY OF THE CHEMICAL POTENTIALS AND ACTIVITY COEFFICIENTS OF THE COMPONENTS OF BINARY SOLID SOLUTIONS. 6p. Order from ATS #2.25 Trans. of <u>Leningradskij Vestnik</u> (USSR) 1963 [v. 18] no. 10, <u>Seriya Fizika i Khimika</u> no. 2 p. 91-95. (Chemistry--Physical, TT, v. 12, no. 4)</p>	<p>TT-64-22249 I. Storonkin, A. V. II. Shultz, M. M. III. Korchagin, V. V. IV. ATS-74R75R V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p> 
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Selected Articles.

RUSSIAN, per, Vestnik Leningrad Univ, Seriya
Fiziki i Khimii, No 2, 1964, pp 5-138.
F100006968-V
ITD-MT-64-359

~~SECRET~~
Sci-EK Phys
Jan 68

348,778

Method of Calculating Deviations from Kinkhoff's Law in the Mesosphere in the Presence of Radiation Transfer in the 15 μm Carbon Dioxide Band, by G. M. Shved.
RUSSIAN, per, Lenin Univ Vest Ser Fiz i Khim,
Vol IV, No 1, 1964, pp 67-79.
RAND

Sci - BS
Jul 66

305,399

Single Line Approximation during the Transfer
of Radiant Energy in the Upper Atmosphere,
by G. N. Shved.

RUSSIAN, per, Lenin Univ Vest Ser Fiz i Khim,
Vol IV, No 1, 1964, pp 79-81.
BAND

Sci - ES
Jul 66

305, \$400

Experiments With Gas Lasers, by
N. I. Kaliteyovskiy, A. N. Razumovskiy,
14 pp.
RUSSIAN, per, Vest Lening Univ, Ser Fiz
i Khim, No 10, 1964, pp 40-46. 96996S3
FTD-TT-65-1060

Sci - Engr
Feb 66

296,359

The Vapor Composition in the Halide Systems of Certain Alkali and Alkali Earth Metals, by G. I. Novikov, A. L. Kuz'Menko.^{*} RUSSIAN, per, Vestn Leningr Univ Ser Fiz i Khim, No 16, 1964, pp 143-149. NASA TT F-10, 195

Sci-Phys
Jul 66

306,542

Synthesis and Electrical Conductivity of Glassy
AsSe_{1.5}Si_x Alloys, by E. V. Shkol'nikov,
RUSSIAN, per, Vestn. Leningr. Univ., Vol XX,
No 4, Ser. Fiz. Khim. No 1, 1965, pp 115-119.
ATS RJ-4702

Sci-Phys
Jul 67

329,123

The Electrical Conductance and Microhardness of
Glassy and Glass-Crystalline $\text{AsSe}_{1.5}\text{Pb}_x$, by
E. V. Shkol'nikov, Z. M. Borisova,
RUSSIAN, per, Vestn. Leningr. Univ., Vol XX,
No 4, Ser. Fiz. I Khim. No 1, 1965, pp 120-127.
AT&T RJ-4703

Sci-Phys
Jul 67

329,124

Oxidation Rate of Iron Heated for a Short
Time in Carbon Dioxide, by V. I. Tikhomirov
and N. I. Vasil'eva.

RUSSIAN, per, Vestnik Leningradskogo Universiteta, Seria Fizika i Khimiya, Vol 3, No 16,
1965, pp 113-118.
BUFI 5109

Sci-Materials
Oct 67

343,115

Determination of Optical Anisotropy and
Geometrical Form of the Molecule by the
method of dispersion of light in Solutions.

24p.

By Bogdanov, I.

RUSSIAN, per, Leningradskii Universitet. Vestnik.

Seriya Fiziki i Khimii Vol. 20, No. 3,

pp. 46-57.

TC-26935

ETC-69-25313

MAR 1970

404,577

404,573

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

Frontal Kinetics of Some Competitive Bi-molecular Reactions and the Influence of the Kinetic Isotope Effect on the Distribution of Isotopic Molecules, by G. A. Skorobogatov. 14 pp.
RUSSIAN, per, Ser. Fiz. i Khim, Vol 20, No 10,
1965, pp 128-141.
*CFSMI TT 69-55121

sci/ chemistry
aug 69

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

Variational Principle for the Energy of
Quasistationary States, by V. S. Rudakov,
RUSSIAN, per, Leningradskii Univ Vestnik Ser
Fiziki i Khimii, No 3, 1965, pp 138-139.
Dept of Navy Tr 4722/APL/JHU TG 230-1462

Sci-Phys
Jun 66

302,090

Stabilization of the Conductivity of
Vitreous Selenium, by N. El' Mosli, Z. U.
Borisova,
RUSSIAN, per, Vestnik Leningradskogo Universiteta - Seriya Fiziki i Khimii, Vol 3, No 16,
1965, pp 147-150.
ACSI J-1132
ID 2204053666

Sci-Phys
Doc 66

316,330

Spectrophotometric Detectors of Oxygen and Water
Vapor in Air, by F. I. Vilesov, 6 pp.
RUSSIAN, per, Vestnik. Leningrad. Universitet.
Seriya Fiziki i Khimii, No 2, 1966, pp 40-44.
AIR/FID/MF-24-386-67

sci/chemistry
mar 69

377,884

• Picatinny Arsenal
15-70a

R-10646-2
31 July 69

Title: Thermodynamic Study of System....
pp. 85-92. 8pp

Author: Simanova, G.A. & Shultz, M.H.

Source: Vestn. Leningrad. Univ. Ser. Fiz. Khim.
Vol. 21, No. 2. (1966).

Language: Russian

Please translate & type 1 copy only.

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

The Interpretation of Diffraction Pictures of
Slow Electrons on NaCl, by G. K. Zyryanov. 8 pp
RUSSIAN, per, Vestnik. Leningrad. Universitet.
Seriya Fiziki i Khimi, No 3, 1966, pp 70-74.
AIR/FTD/MT-24-357-68

sci/physics
may 69

381,109

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

Mechanism of Anodic Dissolution and Electro-
Deposition of Palladium in Bromide Electrolytes,
by V. I. Kravtsov, M. I. Zalenskii.
RUSSIAN, per, Vestnik Len Univ Ser Fiz Khim,
No 4, 1966, pp 128-135.
NLL Ref: 9022.4 (67/271)

Sci-Phys
Aug 68

362,037

Theory of Elementary Particle Symmetry,
by Yu. V. Novozhilov, I. A. Terent'yev.
RUSSIAN, per, Vestn Leningradskogo Univ
Ser Fiz Khim, Vol XXI, No 16, 1966.
pp 5-17.
NASA TT P-10,618

Sci-Phys
Mar 67

320.843C

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

variational Principle for the Intensity
of Forbidden Transitions, by Yu. Yu. Dmitriyev,
M. S. Yur'yev,
RUSSIAN, per, Vestn Leningradskogo Univ Ser
Fiz Khim, Vol XXI, No 16, 1966, pp 26-29.
NASA TT F-10,619

Sci-Phys
Mar 67

320,811

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

High-Density Electron-Hole Gas in Semiconductors.
I, by S. B. Anokhin.
RUSSIAN, per, Leningrad, Univ., Vestnik, Ser.
Fiz. Khim., No 4, 1967, pp 36-41.
Dept of Navy/APL/JHU TG 230-T540

Sci/Phys
Apxr 68

351,251

Determination of the Refractive Indices of a
Series of Compositions in the Glassy System As-Se,
by I. N. Blinov.
RUSSIAN, per, Vest Lenigrad Univ Ser Fiz i Khim,
No 16, 1967, pp 142-145.
ATS RJ-5191

Sci-Phys
July 69

385,533

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

Electrical Conductivity of Vanadium Oxides at Low
Temperatures, by S. M. Ariya, B. Ya. Brach.
RUSSIAN, per, Vestnik Leningrad Univ Fiz-Khim
Ser, No 22, 1967, pp 157-159.

CIA X-6523

Sci-Electr
Mar 68

347,523

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300890067-5

Energy Levels of Highly Energized Atoms,
by P. P. Pavinskiy.
RUSSIAN, per, Vestnik Leningrad Univ,
Seriya Fiz i Khim, Vol 23, No 22, 1968,
pp 11-19.
*NASA TT F-12,408

Sci-Nucl Sci
June 69

Effect of Hydrostatic Pressure on the Ionic
Conductivity and Self-Diffusion in Single Crystals
of AgCl and AgCl-CdCl₂, by B. G. Lure, An. N. Murin,
17 pp.

RUSSIAN, per, Vestnik Leningrad Universiteta,
Seriya Fiziki Khimii, 23(22), 1968, pp 131-138.
AEC/UCRL-Tr-10382-69

Sci/Phy
Jan 70

400,154

Influence of Oxygen Pressure on the Kinetics of High
Temperature Oxidation of Titanium, by V.I. Dyachkov
et al. 3 pp.
RUSSIAN, per, Vest. Lenin Univ. Fiz. i Khimiya,
No. 1, 1968, pp 158-160
*CFSTI TT 70-57065

Sci/phys
Feb 70

REQUEST TO CHECK

22-6-1

BR70-1239

Effect of the rate of macromolecular movement
on the coefficient of progressive friction

Sudtov, V.P.

Russ per: Vestnik Leningrad. Univ., Fiz., Khim,
1969, no 3, 58-63

<p>Eliseev, E. N. and Denisov, A. P. X-RAY INVESTIGATION OF PYRRHOTITE. [1961] [17]p. (3 drawings 3 charts 4 tables omitted). Order from OTS or SEA \$1.60 61-15890 Trans. of Leningrad U. [Vestnik] (USSR) 1957 [v. 12] no. 18 [Seriya Geologii i Geografi] no. 3, p. 68-78.</p> <p>DESCRIPTORS: *Pyrites, Minerals, X-rays.</p> <p>Twenty-five samples of pyrrhotite from various sulfide deposits were subjected to X-ray investigations. Pyrrhotites with a sulfur-content of 50.20, 51.95, 52.00, 52.85, 52.94, 53.15, 53.17, 53.55, and 53.42, at.-% were subjected to chemical analyses. The values of the parameter a_0/c_0, the volume of the elementary nucleus, and the ratios of c_0/a_0 show that in keeping with the increase of the deficit of iron in pyrrhotite the dimensions of the elementary nucleus decrease. Es- (Earth Sciences--Mineralogy, TT, v. 7, no. 4) (over)</p>	<p>61-15890</p> <p>I. Title: Pyrrhotite. II. Eliseev, E. N. III. Denisov, A. P. III. Geological Survey of Canada</p> <p>Office of Technical Services</p>
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61-15889

Eliseev, E. N.
A STUDY OF THE CHEMICAL COMPOSITION OF
THE NATURAL PYRRHOTITES. [1961] [24]p. (3
drawings omitted).
Order from OTS or SLA \$2.60

61-15889
I. Title: Pyrrhotites
I. Eltseev, E. N.
II. Geological Survey of
Canada

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no. 6 [Seriya Geologii i Geofiziki] no. 1, p. 24-35.

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